

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Claim 5 is requested to be cancelled.

Claims 1 and 20 are currently being amended.

New claim 21 has been added.

This amendment adds, changes and/or deletes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

After amending the claims as set forth above, claims 1-4 and 6-21 are now pending in this application.

The disclosure was objected to because of certain informalities. Applicant has amended the specification to correct the informalities. The objection should now be withdrawn.

Claim 20 was rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. Applicant has amended claim 20 to correct the lack of antecedent basis. Accordingly, claim 20 is now in definite form.

Claims 1-4, 6-7, 10-13 and 17-20 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,192,394 to Gutfreund et al. (hereinafter "Gutfreund"). Claims 14-16 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Gutfreund in view of U.S. Patent No. 6,643,683 to Drumm et al. Claim 5 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Gutfreund in view of U.S. Patent No. 6,088,796 to Cianfrocca et al. (hereinafter "Cianfrocca"). Claims 8 and 9 were rejected under 35 U.S.C. § 103(a) as being

unpatentable over Gutfreund in view of U.S. Patent No. 5,426,637 to Derby et al. Applicant respectfully traverses the rejections for the following reasons.

The present invention relates to systems for collaborative processing with distributed applications. Distributed applications include one or more applications or one or more components of an application that can work together to execute logic. In this regard, the disclosed embodiments provide a gateway CGI which can facilitate the execution of distributed applications by providing for two-way asynchronous communication for the distributed applications. As described in the specification of co-pending U.S. Patent Application Serial No. 09/766,383, which is incorporated by reference in the present application, the CGI server allows continuous, two-way asynchronous communication until a termination request is received from outside the CGI, as through a remote application, or from the CGI. Accordingly, Applicant has amended claim 1 to recite “a gateway CGI configured for maintaining two-way asynchronous communication between the messaging bus and a remote application through a firewall ... until termination by the remote application or the CGI.”

In contrast, the cited references fail to teach or suggest this feature of the claimed invention. The Office Action cites Cianfrocca as teaching “a gateway context including a gateway CGI configured for maintaining two-way asynchronous communication between the messaging bus and a remote application through a firewall.” Applicant respectfully disagrees with this interpretation of Cianfrocca.

Cianfrocca fails to teach or suggest the feature recited in amended claim 1. Specifically, Cianfrocca relates to systems for secure querying of databases. In this regard, Cianfrocca proposes use of a specific protocol (TMSP) to maintain long-lived connections for a particular user. Cianfrocca does not contemplate the use of CGI's to maintain such connections. In fact, Cianfrocca states:

“Contrast this architecture with conventional approaches that rely on CGI scripts or other kinds of programs that open database connections through the firewall. In addition to the

significantly increased security risks, the convention approach also requires many more TCP connections through the firewall, instead of relying on connections that are already established.”

Cianfrocca, col. 19, lines 17-24. Thus, Cianfrocca actually teaches away from the use of CGI's. Cianfrocca does not teach or suggest use of CGI's for two-way asynchronous communication. The present invention solves the very problem cited by Cianfrocca in using CGI's to maintain two-way asynchronous communication. Accordingly, the cited references fail to teach or suggest all the features of claim 1.

Thus, amended claim 1 is patentable. Claims 2-4 and 6-20 depend, either directly or indirectly, from allowable claim 1 and are, therefore, patentable for at least that reason, as well as for additional patentable features when those claims are considered as a whole.

New claim 21 has been added. Claim 21 recites the invention from another perspective. Support for claim 21 is found in the original specification at page 7, lines 6-15. Claim 21 is believed to be patentable for reasons similar to those described above with reference to claim 1.

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 50-0872.

Respectfully submitted,

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